

Focus Area 16: Maternal, Infant, and Child Health

Objective 16-5a targets the reduction in maternal complications during hospitalized labor and delivery to a rate of 24.0 per 100 deliveries.

Hospital discharge records with a complication of labor and delivery code in any diagnostic field indicate that there was a non-significant decline from 15.5 per 100 deliveries in 2000 to 15.1 per 100 in 2004 (Figure 16-5a, Table 16-5a). California's rates of maternal complications during hospitalized labor and delivery were significantly lower than the target established in HP2010, and this objective is being achieved.

Data by race-ethnicity show that the highest rates of labor and delivery complications were found for African Americans/Blacks (16.6 per 100 deliveries in 2004) and Asians/Pacific Islanders (significant decline from 17.1 per 100 in 2000 to 16.6 per 100 in 2004), followed by Other/Unknown (significant increase from 15.3 per 100 in 2000 to 16.2 per 100 in 2004), American Indians/Alaska Natives (15.4 per 100 in 2004), Whites (14.9 per 100 in 2004), and Hispanics/Latinos (significant decline from 15.0 per 100 in 2000 to 14.7 per 100 in 2004). This HP2010 objective is being achieved for females of all racial and ethnic groups hospitalized for labor and delivery.

Examined by age, labor and delivery complication rates were highest for females under 15 years of age (17.4 per 100 deliveries in 2004), followed by females aged 15-19 years (17.1 per 100 deliveries in 2004). The HP2010 objective is being achieved for females of all age groups who are hospitalized for labor and delivery.

For more information on maternal complications of labor and delivery in California, visit the Maternal and Child Health Branch Web site at:

<http://www.mch.dhs.ca.gov/>

For more information on Healthy People 2010 objective 16-5a please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#_Toc494699661

and

<http://www.healthypeople.gov/Document/html/tracking/od16.htm#maternaldeaths>

Figure 16-5a
Maternal Complications During Hospitalized Labor and Delivery
California, 2000-2004

Healthy People 2010 objective = 24.0

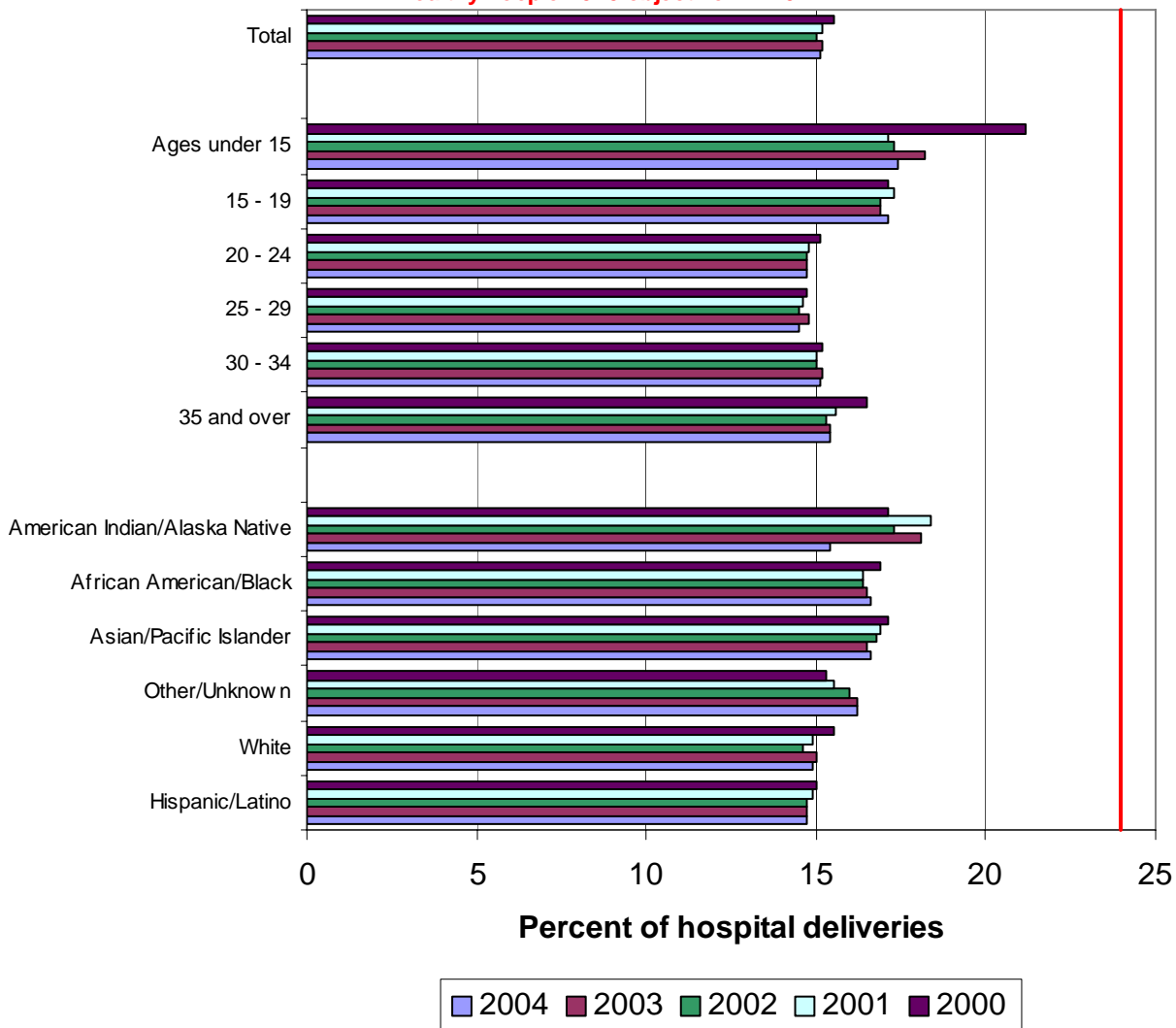


Table 16-5a: Maternal Complications During Hospitalized Labor and Delivery, California 2000-2004

Objective 16-5a	2000					2001				
	Comps ¹	Deliveries ²	Rate ³	C.I.	C.I.	Comps ¹	Deliveries ²	Rate ³	C.I.	C.I.
Healthy People 2010 Target	24.0					24.0				
Statewide Total	79,516	513,506	15.5	15.4	15.6	77,225	508,211	15.2	15.1	15.3
Race-Ethnicity of Mother										
African American/Black	5,077	30,107	16.9	16.4	17.3	4,739	28,863	16.4	16.0	16.8
American Indian/Alaska Native	204	1,193	17.1	15.0	19.2	254	1,380	18.4	16.4	20.5
Asian/Pacific Islander	8,338	48,759	17.1	16.8	17.4	8,128	48,027	16.9	16.6	17.3
Hispanic/Latino	34,887	232,659	15.0	14.8	15.1	34,861	234,665	14.9	14.7	15.0
White	27,328	176,746	15.5	15.3	15.6	25,562	171,488	14.9	14.7	15.1
Other/Unknown	3,680	24,039	15.3	14.9	15.8	3,680	23,775	15.5	15.0	15.9
Maternal Age Group										
Under 15	192	907	21.2	18.5	23.8	143	835	17.1	14.6	19.7
15 - 19	9,250	54,089	17.1	16.8	17.4	8,921	51,631	17.3	17.0	17.6
20 - 24	17,787	117,880	15.1	14.9	15.3	17,456	118,105	14.8	14.6	15.0
25 - 29	19,918	135,096	14.7	14.6	14.9	19,301	131,856	14.6	14.4	14.8
30 - 34	18,819	123,409	15.2	15.0	15.4	18,528	123,366	15.0	14.8	15.2
35 and over	13,550	82,125	16.5	16.2	16.8	12,876	82,418	15.6	15.4	15.9

Objective 16-5a	2002					2003				
	Comps ¹	Deliveries ²	Rate ³	C.I.	C.I.	Comps ¹	Deliveries ²	Rate ³	C.I.	C.I.
Healthy People 2010 Target	24.0					24.0				
Statewide Total	76,799	510,438	15.0	14.9	15.1	79,142	521,682	15.2	15.1	15.3
Race-Ethnicity of Mother										
African American/Black	4,559	27,838	16.4	15.9	16.8	4,535	27,484	16.5	16.1	16.9
American Indian/Alaska Native	205	1,186	17.3	15.1	19.4	239	1,320	18.1	16.0	20.2
Asian/Pacific Islander	8,425	50,040	16.8	16.5	17.2	8,631	52,212	16.5	16.2	16.8
Hispanic/Latino	34,773	236,596	14.7	14.6	14.8	35,755	242,894	14.7	14.6	14.9
White	24,967	170,654	14.6	14.5	14.8	26,157	174,080	15.0	14.9	15.2
Other/Unknown	3,866	24,112	16.0	15.6	16.5	3,815	23,589	16.2	15.7	16.6
Maternal Age Group										
Under 15	148	855	17.3	14.8	19.8	132	724	18.2	15.4	21.0
15 - 19	8,288	48,943	16.9	16.6	17.3	8,161	48,216	16.9	16.6	17.3
20 - 24	17,409	118,338	14.7	14.5	14.9	17,527	118,980	14.7	14.5	14.9
25 - 29	19,261	132,546	14.5	14.3	14.7	20,065	135,855	14.8	14.6	15.0
30 - 34	18,835	125,615	15.0	14.8	15.2	19,743	130,120	15.2	15.0	15.4
35 and over	12,858	84,141	15.3	15.0	15.5	13,514	87,787	15.4	15.2	15.6

Objective 16-5a	2004					5-year	HP2010 Objective
	Comps ¹	Deliveries ²	Rate ³	C.I.	C.I.	Trend	Being Achieved?
Healthy People 2010 Target	24.0						
Statewide Total	79,306	525,625	15.1	15.0	15.2	ns	Yes
Race-Ethnicity of Mother							
African American/Black	4,546	27,462	16.6	16.1	17.0	ns	Yes
American Indian/Alaska Native	223	1,449	15.4	13.5	17.2	ns	Yes
Asian/Pacific Islander	8,827	53,317	16.6	16.2	16.9	Sig. -	Yes
Hispanic/Latino	36,632	249,692	14.7	14.5	14.8	Sig. -	Yes
White	25,873	173,948	14.9	14.7	15.0	ns	Yes
Other/Unknown	3,200	19,746	16.2	15.7	16.7	Sig. +	Yes
Maternal Age Group							
Under 15	121	695	17.4	14.6	20.2	ns	Yes
15 - 19	8,327	48,729	17.1	16.8	17.4	ns	Yes
20 - 24	17,584	119,296	14.7	14.5	14.9	ns	Yes
25 - 29	19,785	136,802	14.5	14.3	14.6	ns	Yes
30 - 34	19,638	130,262	15.1	14.9	15.3	ns	Yes
35 and over	13,851	89,841	15.4	15.2	15.7	ns	Yes

SOURCE: Office of Statewide Health Planning and Development, Patient Discharge Data Files, 2000-2004.

NOTES: ¹ Labor and delivery complications defined by ICD-9-CM codes 641.0-641.9, 642.0-642.7, 642.9, 643.2, 646.2, 646.6-646.7, 648.0, 648.5-648.6, 648.8, 658.4, 659.2, 659.3, 664.2-664.3, 664.5, 665, 666, 668, 669.0-669.4, 670, 671.3-671.5, 672, 673, 674.0-674.3, 674.8-674.9 in any diagnostic field.

² Hospital deliveries only; "delivery" defined by DRG codes 370-375.

³ Rate per 100 deliveries (percent).

ns No significant trend as measured by linear regression analysis.

Sig. - Statistically significant decrease in age-adjusted hospitalization rates from 2000 to 2004.

Sig. + Statistically significant increase in age-adjusted hospitalization rates from 2000 to 2004.